ARCS Ceilometer Field Calibration Form

I. Calibration information

This is a (check which):

Calibration	Calibration Check	Field Calibration
		X

Date:	GMT Begin Time:	GMT End Time:	ARCS #
11/6/2004	23:20	23:50	1

Instrument / System:	TWP OMS Part Number:	TWP OMS Serial Number:
Ceilometer	CT25K	V45105 / WD30735

Location (eg. PNNL, Manus):	Participant(s):	Issued by:	Signature(s):
Manus	Troy Culgan		

Reference Instrument(s):	TWP OMS Part Number(s):	TWP OMS Serial Number(s):
Bushnell Range Finder	200400-010578 model 400	
Tape Measure		

II. Initial Values

Angle Correction a in degrees

Sensor/Element:	Reference Distance (m)	Reading	Reference	Reading	Reference	Reading
	331	380	331	380		

Manus: 331 m to telephone poles about 100 m from trees

235 m to trees, 134 m to ARCS fence, 52 m to ceilometer from fence + 15 m for height

Nauru: 45 m to balloon launch

III. Final Values

UNCHANGED:

Sensor/Element:	Reference Distance (m)	Reading	Reference	Reading	Reference	Reading

Did you remember to reset ceilometer to angle_cor "on", port "data", and Message Type 2

Yes

IV. **<u>Calibration Change</u>**(if applicable)

Offset (m) [Distance Correction Factor]:

Document(s) Referenced:

PRO(CEI)-001.001
PRO(CEI)-002.001

Document(s) Updated:

PRO(CEI)-002.004

PROBLEMS:

NOTES:
Reference distant not recently verified since 2002